

INTERNATIONAL SEARCH REPORT

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PCT
Application No
03/02371A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02K7/116 E05F15/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H02K E05F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| Y | EP 1 101 968 A (ASMO) 23 May 2001 (2001-05-23) page 8, column 14, line 21 -page 9, column 15, line 22; figure 23 | 1 |
| Y | US 5 836 219 A (KLINGLER ET AL.) 17 November 1998 (1998-11-17) column 2, line 41 -column 3, line 12; figure 2 | 1 |
| A | EP 1 176 698 A (HARTMANN+LÄMMLE) 30 January 2002 (2002-01-30) page 5, column 7, line 39 -page 6, column 9, line 37; figures | 1 |
| A | DE 197 10 557 C (BOSCH) 23 April 1998 (1998-04-23) abstract; figure 1 | 1 |
| | -/-- | |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

29 October 2003

Date of mailing of the international search report

06/11/2003

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Interna application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|-----------------------|
| A | <p>WO 01 61133 A (BOSCH) 23 August 2001 (2001-08-23) cited in the application page 6, line 17 -page 7, line 34; figures -----</p> | 1 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

Intern

Application No

PCT

03/02371

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| EP 1101968 | A | 23-05-2001 | CA 2338578 A1 | 17-02-2000 |
| | | | EP 1101968 A1 | 23-05-2001 |
| | | | CA 2338575 A1 | 17-02-2000 |
| | | | CN 1107818 B | 07-05-2003 |
| | | | CN 1310788 T | 29-08-2001 |
| | | | EP 1101967 A1 | 23-05-2001 |
| | | | WO 0008349 A1 | 17-02-2000 |
| | | | WO 0008350 A1 | 17-02-2000 |
| | | | US 6575277 B1 | 10-06-2003 |
| US 5836219 | A | 17-11-1998 | DE 29513701 U1 | 19-09-1996 |
| | | | DE 59603666 D1 | 23-12-1999 |
| | | | EP 0762613 A1 | 12-03-1997 |
| | | | ES 2140000 T3 | 16-02-2000 |
| EP 1176698 | A | 30-01-2002 | DE 10036489 A1 | 07-02-2002 |
| | | | EP 1176698 A2 | 30-01-2002 |
| DE 19710557 | C | 23-04-1998 | DE 19710557 C1 | 23-04-1998 |
| WO 0161133 | A | 23-08-2001 | DE 10019512 A1 | 23-08-2001 |
| | | | AU 2502701 A | 27-08-2001 |
| | | | BR 0009837 A | 08-01-2002 |
| | | | CN 1347476 T | 01-05-2002 |
| | | | CZ 20013751 A3 | 14-08-2002 |
| | | | WO 0161133 A1 | 23-08-2001 |
| | | | EP 1171680 A1 | 16-01-2002 |
| | | | HU 0200813 A2 | 29-07-2002 |
| | | | JP 2003523163 T | 29-07-2003 |
| | | | PL 350353 A1 | 02-12-2002 |
| | | | TW 502485 B | 11-09-2002 |